B3

Figures 25A, 25B, 25C, 25D, and 25E are class specification of CProtocolRestrictionCheck class where the steps in the oneFormatRestriction function shows the process to modify the map structure; and

Please delete paragraph [p107] and substitute therefore:

B4

Figure 17 shows the map data structure (using (key, value) pairs) used for creating and caching the protocol processor. In one embodiment, for a given formatted event data, multiple protocols may need to send the same event data. Likewise, the same protocol may be requested to send the same data using different data formats. As discussed above, the key of each pair specifies a protocol (e.g., SMTP, FTP or HTTP) to be used. The value of the map is itself a second pair (x,y), where x is a pointer to the protocol processor object, and where y is a pointer to the function that creates the protocol processor. This map is initialized to contain the keys and values with the x value being assigned a flag value (e.g., zero). When a particular protocol is requested, the x value corresponding to the specified key is checked. If the x value is zero, the function pointed to by y value is executed. That execution creates the protocol processor, and the pointer to the created object is stored in the x value. Then, the newly created or subsequently stored pointer to the object is then returned as a pointer to the abstract class. Step 6 of Figure 16B (corresponding to step 8 of Figure 14) illustrates an exemplary code fragment that calls the createProtocolProcessor function. The createProtocolProcessor function returns a pointer to the abstract protocol processor object (identified by the return type "CAbsProtocolProcessor *"). Step 7 of Figure 16B (corresponding to the step 9 of Figure 14) shows sending monitored information in a requested format.

Please delete paragraph [p108] and substitute therefore:

B5

Figures 18A, 18B, and 18C show the function list and the attributes of the CProcessorBuilder Class according to one embodiment of the present invention. The public function createDataFormatProcessor receives the specification for the Data Formatter and returns the pointer to the specified Data Formatter object in the abstract class type. The public function createProtocolProcessor function receives the specification for the Protocol Processor and returns the pointer to the specified Protocol Processor in the abstract class type. The m_pDataFormatter attribute of the class is used to cache the specified data formatter in the class. The other two map attributes show the structure shown in the Figures 15 and 17.

The function definition section shows the steps used by the various functions declared in the function list.

Please delete paragraph [p110] and substitute therefore:

Figure 20 shows relationships of the CFormatProtocolCombinationCheck class 610 and the CProtocolRestrictionCheck class 620 used within the Format And Protocol Information Base System. Generally, the CFormatProtocol_InformationBase interface 600 (described in more detail with reference to Figures 23A, 23B, 23C, and 23D) keeps track of the specified formats and protocols. That interface 600 uses the (1) CFormatProtocolCombinationCheck class 610 and (2) the CProtocolRestrictionCheck class 620 for (1) verifying requested combinations and (2) checking for restrictions on the protocols, respectively.

Please delete paragraph [p111] and substitute therefore:

Figure 21 describes the process by which the system manager 560 verifies whether a specified format and protocol combination is valid. A storeFormatAndProtocol request from the system manager 560 is initially handled by the CFormatProtocol_InformationBase interface 600. Using the relationships illustrated in Figure 20, that interface 600 converts the request to an isFormatProtocolCombinationOK request that is sent on to the CFormatProtocolCombinationCheck class 610. If that class 610 returns "true," then the combination is valid; otherwise, the class 610 returns false indicating that the combination is invalid. When the combination is valid, the two values are stored into two different maps specified in the Figures 23A and 23B.

Please delete paragraph [p113] and substitute therefore:

Figures 23A and 23B are an exemplary class definition of CFormatProtocol_InformationBase interface/class. The functions, storeFormatAndProtocol and getFormatAndProtocolVector, are public functions used by the System Manager 560 computer code device (an object of CMonitorManager class). Two map structures keep the specified formats and protocols passed through the function, storeFormatAndProtocol, after checking the validity of the combination of the format and the protocol through the object, m_FormatProtocolCombinationCheck of CFormatProtocolCombinationCheck class. The class also contains the object, m_ProtocolRestrictionCheck of CProtocolRestrictionCheck class. The flag, m_bFirstGetCall is used to call the function in the m_ProtocolRestrictionCheck when the function getFormatAndProtocolVector is called for